

AMENDMENTS TO THE SPECIFICATION

Page 18, please replace the paragraph beginning at line 15 with the following:

In a first specific example, the following nucleic acid probe 6 with the 5' terminus modified to have an amino group was immobilized on the gate insulator 5 of the insulated gate field effect transistor 4 in order to examine the presence or absence of hepatitis B virus DNA.

HBV probe (i); 5'-GCG GAT CCG TGG AGT TAC TCT CGT TTT TGC-3' (SEQ ID NO: 1).

Page 19, please replace the paragraph beginning at line 28 with the following:

In a second specific example, the nucleic acid probe 6 having a tendency to assume a higher order structure in accordance with the progress of the amplification reaction that takes place by the presence of the target gene in the sample was immobilized on the gate insulator 5 of the insulated gate field effect transistor 4 in order to detect the presence or absence of hepatitis B virus DNA with high sensitivity. The nucleic acid probe 6 used in the second specific example had a nucleotide sequence complementary to Hepatitis B virus DNA, with its 5' terminus being modified to have an amino group. The nucleic acid probe 6 was as follows:

HBV probe (ii); 5'-CAT AGC AGC AGG ATG AAG AGG AAT ATG ATA GGA TGT GTC TGC GGC GTT T-3' (SEQ ID NO: 2).

Page 21, please replace the paragraph beginning at line 13 with the following:

Next, as a third specific example, the following nucleic acid probes 6 modified to have an amino group at the 5' terminus were immobilized on the gate insulator 5 of the insulated gate field effect transistor 4 in order to detect the presence or absence of hepatitis B virus DNA with two kinds of the probes:

HBV probe (i); 5'-GCG GAT CCG TGG AGT TAC TCT CGT TTT TGC-3' (SEQ ID NO: 1)

HBV probe (iii); 5'-GCA AGC TTT CTA ACA ACA GTA GTT TCC GG-3' (SEQ ID NO: 3)

Page 23, please replace the paragraph beginning at line 3 with the following:

As a fourth specific example, the following nucleic acid probes 6 modified to have an amino group at the 5' terminus were immobilized on the gate insulator 5 of the insulated gate field effect transistor 4 in order to detect the presence or absence of hepatitis B virus DNA using two kinds of the probes and a DNA polymerase with strand displacement activity:

HBV probe (ii); 5'-CAT AGC AGC AGG ATG AAG AGG AAT ATG ATA GGA TGT GTC TGC GGC GTT T-3' (SEQ ID NO: 2)

HBV probe (iv); 5'-TCC TCT AAT TCC AGG ATC AAC AAC AAC CAG AGG TTT TGC ATG GTC CCG TA-3' (SEQ ID NO: 4)